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BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

DASARAHALLI DIVISION

SHETTYHALLI SUB-DIVISION

WARD NO. 13

MALLASANDRA

Name of work:- Detailed Estimated for Construction of RCC drain in 2nd main road in BHEL mini colony from pipeline road, in Ward No-13, Shettyhalli Sub Division.

Est. Cost: 20.00 Lakhs

13

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimated for Construction of RCC drain in 2nd main road in BHEL mini colony from pipeline road, in Ward No-13, Shettyhalli Sub Division.

Est .Cost Rs. 20.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 2-1.2 Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2011-12	Cum							
	Surrounding Cross roads		2	70.00	0.45	0.45	28.35		
	Cross		2	65.00	0.45	0.45	26.33		
							54.68	118.72	**6491.00**
	Basic Rate	112.00							
	Area Weightage @ 6%	6.72							
		118.72							
2	Removing B.S.Slab of drain and stacking etc., complete Page No 28/ Item No. 5.32/ PWD SR 2011-12	Sqm							
	Cross		2	10.00		1.35	27.00		
	Cross		2	8.00		1.35	21.60		
							48.60		
	Missing 15%						7.29		
							41.31	46.64	**1927.00**
	Basic Rate	44.00							
	Area Weightage @ 6%	2.64							
		46.64							
3	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 28/ Item No. 5.33/ PWD SR 2011-12	Sqm							
	Qty vide item no-2						**41.31**	58.30	**2408.00**
	Basic Rate	55.00							
	Area Weightage @ 6%	3.30							
		58.30							
4	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2011-12	Sqm							
	Missing Qty Vide item No-2						7.29		

							7.29	321.18	2341.00
	Basic Rate	303.00							
	Area Weightage @ 6%	18.18							
	Total	**321.18**							
5	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 .m. after breaking of clods complete as per specifications Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3, Page No. 12/ Item No. 4.2/ PWD SR 2011-12								
	From Pipeline road to L/S	Cum	1	110.00	1.10	1.20	145.20		
			1	27.00	1.10	1.20	35.64		
			1	21.00	1.10	1.20	27.72		
			1	20.00	1.10	1.20	26.40		
	R/S		1	15.00	1.10	1.20	19.80		
	For Culvert		5	6.00	2.00	1.20	72.00		
							326.76	142.04	**46413.00**
	Basic Rate	134.00							
	Area Weightage @ 6%	8.04							
		142.04							
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs. with 40mm and down size graded granite metal machine mixed; concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No. 12/ Item No. 4-2/ PWD SR 2011-12	Cum							
			1	110.00	1.10	0.15	18.15		
			1	27.00	1.10	0.15	4.46		
			1	21.00	1.10	0.15	3.47		
			1	20.00	1.10	0.15	3.30		
			1	15.00	1.10	0.15	2.48		
	For Culvert		5	6.00	1.80	0.15	8.10		
							39.95	4077.82	**162889.00**
	Basic Rate	3715.00							
	Add Diffe cost of Cement-0.22x600	132.00							
	(220kgs/50kgs=4.40 bagsxRs.30.00 Diff cost/bag)=132.00	3847.00							
	Area Weightage @ 6%	230.82							
	Total	**4077.82**							

7	KSRB 5.3-3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2011-12.	Cum							
	For Culverts		10	6.00	0.60	0.90	32.40		
							32.40	3230.88	**104681.00**
	Basic Rate	3006.00							
	Add Diff cost of Cement 0.07x600	42.00							
	(70kgs/50kgsx1.40 bagsxRs.30.00 Diff cost/bag)	3048.00							
	Area Weightage @ 6%	182.88							
	Total	**3230.88**							
8	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2011-12								
	Walls	Cum	2x1	110.00	0.15	0.90	29.70		
	Bed		1	110.00	0.60	0.15	9.90		
	Walls		2x1	27.00	0.15	0.90	7.29		
	Bed		1	27.00	0.60	0.15	2.43		
	Walls		2x1	21.00	0.15	0.90	5.67		
	Bed		1	21.00	0.60	0.15	1.89		
			2x1	20.00	0.15	0.90	5.40		
			1	20.00	0.60	0.15	1.80		
			2x1	15.00	0.15	0.90	4.05		
			1	15.00	0.60	0.15	1.35		
							69.48		
	For Culvert Covering		5	6.00	1.80	0.23	12.42	B	
	For Culvert Coping		10	6.00	0.60	0.10	3.60		
							85.50	5157.96	**441006.00**
	Basic Rate	4674.00							
	Add Diffe cost of Cement 0.32x600	192.00							
	(320kgs/50kgs=6.40 bagsxRs.30.00 Diff cost/bag)	4866.00							
	Area Weightage @ 6%	291.96							
	Total	**5157.96**							

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9	KSRB 4.9.2: providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-12								
	For RCC Drain	Qtls		69.48	x	70kgs	48.64		
	For RCC Covering 100kg/cum						12.42	B	
							61.06	7211.75	**440321.00**
	Basic Rate	5910.00							
	Add Extra rate for Steel	893.54							
	Total	6803.54							
	Area Weightage @ 6%	408.21							
	Total	**7211.75**							
10	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9 Page No. 17/ Item No. 4.36/ PWD SR 2011-12	Sqm							
	for RCC drain Walls		2x2	110.00		1.00	440.00		
			2x2	27.00		1.00	108.00		
			2x2	21.00		1.00	84.00		
			2x2	20.00		1.00	80.00		
			2x2	15.00		1.00	60.00		
							772.00	544.84	**420616.00**
	Basic Rate	514.00							
	Area Weightage @ 6%	30.84							
		544.84							
11	Providing & laying reinforeced cement precast slabs of mix CC 1.11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			1	110.00	0.90		99.00		
			1	27.00	0.90		24.30		
			1	21.00	0.90		18.90		
			1	20.00	0.90		18.00		
			1	15.00	0.90		13.50		
	Approved Rate of Precast slab	1963.6					**173.70**	1963.6	**341077.00**
	Data rate for precast slab of 100MM thick								
12	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No: 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								

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	Qty Vide Item No=1+5	Cum					381.44		
	Qty Limited to						381.44	75.47	28787.00
	(For 3 km = 3 x 1.28 x 2.0)	7.68					368.00		27773
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage @ 8%	5.59							
	Total	**75.47**							2057
13	Miscellaneous and unforseen Charges								1043
								Total	2000000

(Rupees Twenty Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2011-12
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

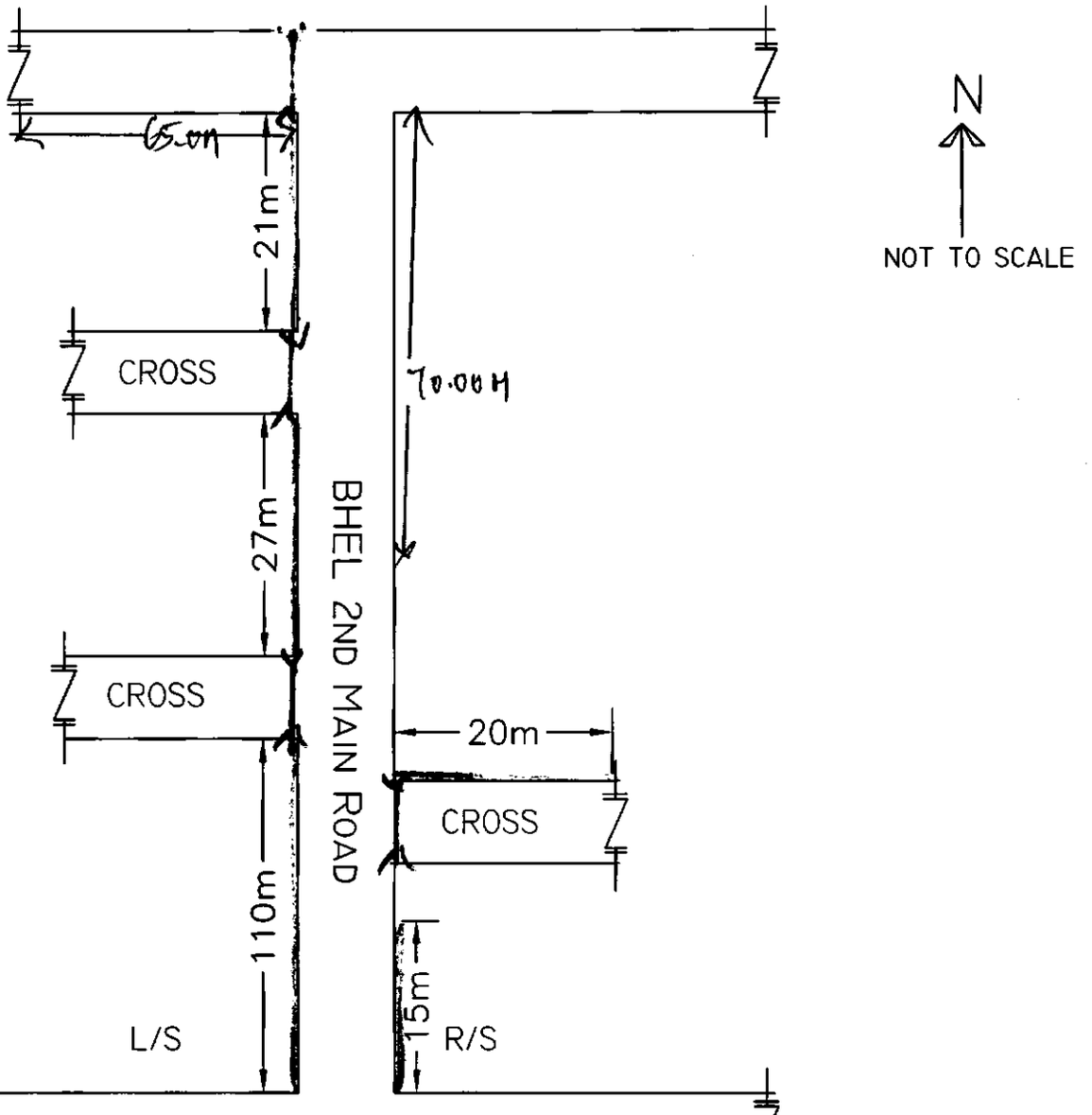
Executive Engineer
Dasarahalli Zone
BBMP

A/S
No. JC(DH)AS/282/12-13. Dt: 07/08/12
Rs. 20.00 lakhs (Rupees Twenty lakhs only).
page No. 163
Sl No. 282

ನಂ. CE/DD/TS/137/12-13 ದಿನಾಂಕ : 25/9/2012
ರೂ. 20.00 Lakh
(Rupees Twenty Lakh Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

8 (1)

SKETCH SHOWING CONSTRUCTION OF RCC DRAIN IN 2ND MAIN ROAD IN BHEL MINI COLONY FROM PIPELINE ROAD, IN WARD NO-13 IN SHETTYHALLI SUB DIVISION.



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore

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— RCC DRAIN

Culvert